



## HDS 10/20-4M EASY!

HDS 10/20-4 M EASY!Force - the powerful three-phase hot water high-pressure cleaner in the Kärcher Middle class. With 4-pole, water-cooled electric motor, two cleaning agent tanks and service electronics.





#### 1 Economical

- In the Eco mode, the unit operates in the most economical temperature range (60°C) with full water flow.
- Burner cycles are optimised to reduce fuel consumption by up to 20% compared to full-load operation.

#### 2 Operational reliability

- The large, integrated fine-mesh water filter reliably protects the high-pressure pump against the ingress of dirt particles.
- An integrated exhaust gas thermostat switches off the drive motor if the exhaust gas temperature exceeds 300°C.

#### 3 Storage

Storage hooks for power cord and high-pressure hose.

4 Mobility concept

"Jogger" design with large rubber-tyred wheels and swivel castors.Sturdy lashing points for safe transport.

## **TECHNICAL DATA AND EQUIPMENT**

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#### HDS 10/20-4M EASY!

- Economical eco!efficiency mode
- Two detergent tanks
- Three-phase motor: water-cooled

Technical data				
Order No.		1.071-903.0		
EAN code		4054278140254		
Type of current	Ph / V / Hz	3 / 420 / 50		
Flow rate	l/h	500-1000		
Pressure	bar / MPa	30-200 / 3-20		
Max. temperature	°C	80 / 155		
Power rating	kW	7,8		
Fuel oil consumption, full load	kg/h	6,4		
Fuel tank	1	25		
Weight	kg	171		
Dimensions (L x W x H)	mm	1330 × 750 × 1060		
Equipment				
Trigger gun		EASY!Force Advanced	Two detergent tanks	•
High-pressure hose	m	10 / Longlife	Dry-running protection	•
Spray lance	mm	1050		
Power nozzle		•		
Servo Control		-		
Anti-twist system		-		
Cleaning agent, scale inhibitor and fuel tanks can be filled from outside		•		
Control panel with LED display				
Three-piston axial pump		with ceramic piston		
Pressure cut-off				
Electronic service control with LED display		•		
Included in delivery.				

# ACCESSORIES FOR HDS 10/20-4M EASY! 1.071-903.0

18

16-17

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							1
			Max working				
	Order No.	ID	pressure	Length	Price	Description	
							_
I I	6 110-031 0	10.8	315 har	10 m		10 m high-pressure base (M 22 x 15) with kink protection	1
1	0.110 051.0		515 001	10 111		With patented rotating AVS trigger gun connector and manu	-
2	6.110-030.0	ID 8	315 bar	15 m		15 m high-pressure hose (M 22 x 1.5) with kink protection.	
						With patented rotating AVS trigger gun connector and manu al coupling. Further data: DN 8/155°C/315 bar.	-
3	6.110-032.0	ID 8	315 bar	20 m		20 m high-pressure hose (M 22 x 1.5) with kink protection.	
						With patented rotating AVS trigger gun connector and manu al coupling. Further data: DN 8/155°C/315 bar.	J-
4	6.110-014.0	ID 8	315 bar	30 m		With rotary coupling, 2 x M 22 x 1.5	
5	6.110-042.0	ID 10	220 bar	15 m		15 m high-pressure hose M 22 x 1.5) with kink protection	
						10/155°C/220 bar.	
6	6.110-043.0	ID 10	220 bar	20 m		with union on both sides, M 22 x 1.5 with anti-kink protec- tion. NW 10/155°C/220 bar	
7	6.110-044.0	ID 10	220 bar	25 m		-	
8	6.110-045.0	ID 10	220 bar	40 m			
9	6.110-059.0	ID 12	250 bar	15 m		High-pressure hose for water volumes greater than 1,800 I , h. With union on both sides. $2x \text{ M} 22 \times 1.5$ with anti-kink	/
10	6.110-060.0	ID 12	250 bar	40 m		protection.	
des			1				
11	6.110-023.0	ID 8	400 bar	30 m		With rotary coupling, 2 x M 22 x 1.5	
12	6.110-027.0	ID 8	400 bar	20 m		with rotary coupling, 2 x M 22 x 1.5	
13	6.110-029.0	ID 8	400 bar	15 m		With rotary coupling, 2 x M 22 x 1.5	
1.4	6 1 1 0 0 2 9 0	10.0	400 bar	10 m			
14	6.110-024.0	ID 8	400 bar	1,5 m		1.5 m high-pressure hose (DN 8, M 22 x 1.5) with kink pro- tection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 x 1.5)	
on bot	h sides	1	1	<u> </u>	1		_
	1	ID 8	250 bar	10 m		10 m high-pressure hose (DN 8) with patented (rotating) AVS trigger gun connector. Non-discolouring outer layer for	
17	6.110-052.0	ID 8	250 bar	20 m		20 m high-pressure hose (DN 8) with swivel coupling.	<u> </u>
						Connectors at both ends, M 22 x 1.5, with kink protection. NW $8/155^{\circ}C/250$ bar.	
unior	ns on both sides						
18	6.110-053.0	ID 8	400 bar	10 m		Longlife HP hose for use in the food industry. Außen- decke## animal-grease-resistant, non-colour-bleeding mate- rial. With rotary coupling. 2 x M 22 x 1 5	-
	1		<u>I</u>	<u> </u>			_
							1
	2 3 4 5 6 7 8 9 10 10 10 11 12 13 11 12 13 14 15 0 0 b01 16 17	I         6.110-031.0           2         6.110-032.0           3         6.110-032.0           4         6.110-014.0           5         6.110-042.0           6         6.110-043.0           7         6.110-043.0           8         6.110-043.0           9         6.110-045.0           9         6.110-045.0           9         6.110-045.0           10         6.110-025.0           11         6.110-023.0           12         6.110-027.0           13         6.110-027.0           14         6.110-024.0           01         b.110-024.0           01         b.110-024.0	I         6.110-031.0         ID 8           2         6.110-030.0         ID 8           3         6.110-032.0         ID 8           4         6.110-032.0         ID 8           5         6.110-042.0         ID 10           6         6.110-043.0         ID 10           6         6.110-043.0         ID 10           7         6.110-043.0         ID 10           8         6.110-043.0         ID 10           9         6.110-045.0         ID 10           9         6.110-045.0         ID 10           9         6.110-045.0         ID 12           10         6.110-025.0         ID 12           10         6.110-027.0         ID 8           11         6.110-027.0         ID 8           12         6.110-027.0         ID 8           13         6.110-024.0         ID 8           14         6.110-024.0         ID 8           15         6.110-024.0         ID 8           16         6.110-024.0         ID 8           17         6.110-051.0         ID 8           17         6.110-052.0         ID 8	Image: Construction       Construction       Construction         1       6.110-031.0       ID 8       315 bar         2       6.110-030.0       ID 8       315 bar         3       6.110-032.0       ID 8       315 bar         4       6.110-014.0       ID 8       315 bar         5       6.110-042.0       ID 10       220 bar         6       6.110-043.0       ID 10       220 bar         7       6.110-043.0       ID 10       220 bar         8       6.110-043.0       ID 10       220 bar         9       6.110-043.0       ID 10       220 bar         10       6.110-059.0       ID 10       220 bar         9       6.110-059.0       ID 12       250 bar         10       6.110-023.0       ID 8       400 bar         11       6.110-023.0       ID 8       400 bar         12       6.110-027.0       ID 8       400 bar         13       6.110-023.0       ID 8       400 bar         14       6.110-024.0       ID 8       400 bar         15       6.110-051.0       ID 8       250 bar         16       6.110-051.0       ID 8       250 bar	Order No.         ID         pressure         Length           1         6.110-031.0         ID 8         315 bar         10 m         1           2         6.110-030.0         ID 8         315 bar         15 m         1           3         6.110-032.0         ID 8         315 bar         20 m         1           4         6.110-042.0         ID 8         315 bar         20 m         1           5         6.110-042.0         ID 10         220 bar         15 m         1           6         6.110-043.0         ID 10         220 bar         25 m         1           6         6.110-043.0         ID 10         220 bar         40 m         1           7         6.110-043.0         ID 10         220 bar         40 m         1           9         6.110-059.0         ID 12         250 bar         15 m         1           10         6.110-059.0         ID 12         250 bar         20 m         1           11         6.110-023.0         ID 8         400 bar         20 m         1           12         6.110-024.0         ID 8         400 bar         15 m         1           12         6.110-024.0	Order No.         ID         pressure         Length         Price           1         6.110-031.0         ID 8         315 bar         10 m         III           2         6.110-030.0         ID 8         315 bar         15 m         IIII           3         6.110-030.0         ID 8         315 bar         20 m         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Order No.         ID         pressure         Length         Price         Description           1         6.110-0310         ID 8         315 bar         10 m         ID m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AXS trigger purconnector and manual coopling. Further data: DN 8/1557(215 bar.           2         6.110-0300         ID 8         315 bar         15 m         IS m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AXS trigger purconnector and manual coopling. Further data: DN 8/1557(215 bar.           3         6.110-0320         ID 8         315 bar         20 m         IS m high-pressure hose (M 22 x 1.5) with kink protection. With hatented rotating AXS trigger purconnector and manual coopling. Further data: DN 8/1557(215 bar.           4         6.110-0410         ID 8         315 bar         30 m         IS m high-pressure hose (M 22 x 1.5) with kink protection. With hatented rotating AXS trigger purconnector and manual coopling. Further data: DN 8/1557(215 bar.           5         6.110-0430         ID 10         220 bar         15 m         IS m high-pressure hose (M 22 x 1.5) with kink protection and threaded cooplings at both ends. Further data: DN 10/1557(220 bar.           6         6.110-0430         ID 10         220 bar         25 m         IS           7         6.110-0430         ID 10         220 bar         15 m         High-pressure hose for water volumes greater tha

■ Included in delivery. □ Available accessories. ▲ Extension hose.



		Order No.	Flow rate		Price	Description
Trigger guns						
Extended easy press trigger gun	1	4.118-005.0				Extended easy press high-pressure trigger gun for high-pressure hoses with rotating connector.
Servo Control						
Servo control	2	4.118-008.0	750-1100 l/h			
Quick connect						
Quick-fitting pipe union coupler trapezo	3	2.115-000.0				
Quick-fitting pipe union plug nip- ple tra	4	2.115-001.0				

 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill A$  Extension hose.



		Order No.	Nozzle size			Price	Description
Power nozzle spray angle 25°							
Power nozzle spray angle 25°	1	2.113-024.0	52				Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.
HP nozzle spray angle 0°							
High-pressure nozzle spray angle °0	2	2.113-035.0	55				High-pressure nozzle with powerful jet for extremely stub- born dirt.
Power nozzle spray angle 15°							·
Power nozzle spray angle $15^{\circ}$	3	2.113-047.0	55				Fan jet nozzle with 15° spray angle suitable for stubborn dirt.
Power nozzle spray angle 40°							· · · · · ·
Power nozzle spray angle $40^{\circ}$	4	2.113-055.0	55				Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces. $\hfill \Box$
■ Included in delivery. □ Av	ailabl	e accessories.	▲ Extension ho	ose.			

1, 5	2	3	4	6	7	8
9	10	11	12	13	14	15

			Max. working				
		Order No.	pressure	Length		Price	Description
Rotating spray lances							
1050 mm lance, rotatable, ergo- nomic	1	4.112-000.0	300 bar	1050 mm			1050 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° under pressure.
Lance 250 mm, non-rotatable	2	4.112-027.0	300 bar	250 mm			
550 mm lance, non-rotatable	3	4.112-024.0	300 bar	400 mm			
Rotatable lance, 600 mm, ergo- nomic	4	4.112-007.0	300 bar	600 mm			600 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° under pressure.
Lance 850 mm, rotatable, ergo- nomic	5	4.112-006.0	300 bar	840 mm			850 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° under pressure.
Lance 1550 mm, rotatable, ergo- nomic	6	4.112-018.0	300 bar	1550 mm			1550 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° under pressure.
Lance 2050 mm, rotatable, ergo- nomic	7	4.112-021.0	300 bar	2050 mm			2050 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° under pressure.
Double lance							
Double lance 960 mm	8	6.394-665.0	310 bar	960 mm			960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use ( e.g. stable cleaning).
Angular spray lance							
WC and gutter lance	9	4.112-029.0					Stainless steel lance WC and gutter with nozzle insert. Spe- cially shaped for effective and hygienic cleaning of gutters and toilets.
Flexible spray lance							
Flexible lance 1050 mm	10	4.112-035.0	210 bar	1050 mm			1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.
Telescopic spray lance							
Telescopic jet pipe	11	4.112-037.0	225 bar	5400 mm			
Restraint belt for telescopic jet pipe	12	6.373-987.0					Convenient strap for relief when working with the telescop- ic spray lance (6.394-690). The burden is optimally distrib- uted on the body and longer periods of use are possible.
Gutter cleaner							
Gutter cleaning lance	13	2.112-015.0					The lance is suited for cleaning of gutter systems. Because of the shape of the lance and the special nozzle the gutter can be cleaned without removing the cover plates.
Undercarriage spray lance							
Underbody lance	14	4.112-032.0		700 mm			Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.
Zusatzhandgriff	1			1	1 1		
	15	4.321-380.0					
Weed control	1			1	1 1		1
WR 50 trapezoidal thread		2.114-013.0					
WR 20 trapezoidal thread		2.114-014.0					
■ Included in delivery. □ Av	ailable	e accessories.	Extension h	ose.			

### ACCESSORIES FOR HDS 10/20-4M EASY! 1.071-903.0



		Order No.				Price	Description	
Crane lifting kit					1	1	I	
Crane loading kit for HDS middle and super class	1	2.642-424.0					Effortless loading by crane.	
Grey wheel kit								
Grey wheel kit HDS M/S	2	2.641-975.0						
Flame monitoring attachment kit								
ABS flame monitor for HDS M/S	3	2.641-796.0					More safety thanks to ABS HDS M/S flame monitoring sys- tem: A light sensor monitors the burner flame. The fuel supply cuts out automatically if the flame extinguishes.	
Y distributor								
Y distributor	4	4.111-024.0						
Accumulator kits								
Add-on accumulator for HDS M/S	5	2.641-803.0					The accumulator can be mounted on the HDS machine in order to dampen pressure surges, which conserves the machine's line system.	
Remote control set								
Remote control set	6	2.642-157.0						
Coin-op remote control								
Coin-op remote control	7	2.642-158.0						
■ Included in delivery. □ Ava	ailable	e accessories.	▲ Extension ho	ose.				

□ Available accessories. ▲ Extension hose. cluded in delivery

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				4	3	5	0	
		Order No.	Flow rate	Nozzle size	Diame- ter		Price	Description
Hard Surface Cleaner FRV 30				<u> </u>				
Add-on kit hose attachment		1 2.642-528.0						
Add-on kit dirt trap		2 2.642-532.0						
Hard surface cleaner FR 30 MB								
FR 30 ME surface cleaner		3 2.111-013.0			300 mm			Hot water resistant stainless steel surface cleaner with double ceramic bearings, non-marking swivel castors and suction hose connection. Ideal for indoor cleaning, e.g. food industry.
Hard Surface Cleaner FR 50								indostry.
FR 50 surface cleaner		4 2.111-023.0			500 mm			Hot water resistant stainless steel surface cleaner with 500 mm working width. Ideal for large areas.With double ceram- ic bearings, push handle, non-marking swivel castors and detergent dosing system.
Machine-specific nozzle kit fo	r FR							
Nozzle kit for surface cleaners (type-specific) 850 - 1100 l/h		5 2.640-442.0	850-1100 l/h					Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).
Machine-specific nozzle kits fo								
Nozzle pack 080		6 2.642-982.0		80				
FRV 30 Me surface cleaner								·
Suction hose FRV 30 me		7 4.441-040.0						
FRV 30 ME		8 2.111-012.0						
Surface Cleaner FR 50 Me								·
		9 2.111-024.0						
■ Included in delivery.	] Availa	ole accessories.	▲ Extension h	ose.				· ·

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9 10	)			12		<b>1</b> 3		
Nozzle union		Order No.					Price	Description
Protection part TR only for re-	1	4.112-011.0						
placement Coupling parts								
	2	6.987-705.0						
Rotary coupling					1		1	1
Rotary coupling	3	4.111-021.0						Kårcher rotary coupling prevents twisting and kinking of high-pressure hoses for ease of use. Connector M 22 x 1.5 m. With grip protection.
Coupling Coupler -2xM22x1,5	4	4.111-037.0			1		1	Brass double connector for connecting and extending
COODICI -2XIVI22X1,5	4	4.111-037.0						high-pressure hoses. With rubber protection. Connector: $2x$ M $22 \times 1.5$ m.
Connector		l	<u>                                     </u>		1			M 22 A 1.5 m.
Nozzle connector/screw connector	5	4.111-022.0						Nozzle connector/screw connector for connecting high-press sure nozzles and accessories to the high-pressure trigger gun (with nozzle connector). Connectors: 1x M 22 x 1.5 and 1x M 18 x 1.5.
	6	4.111-038.0						1X W 10 X 1.J.
Adapter EASY!Lock								
Adapter 1 M22AG-TR22AG	7	4.111-029.0						-
Adapter 2 M22IG-TR22AG	8	4.111-030.0						-
Adapter 3 M22IG-TR22AG Adapter M22 - Swivel	9	4.111-031.0						M22 x 1,5female and swivel connection. For extension of high-pressure hoses with AVS connection or for usage of the telescopic lance with a high-pressure hose with AVS connec- tion.
Adapter 5 TR22IG-M22AG	11	4.111-033.0						
Adapter 6 TR22IG-M22AG	12	4.111-034.0						]
Adapter 7 M18IG-TR20AG		4.111-035.0						4
Adapter 8 TR20IG-M18AG HP detergent injector	14	4.111-036.0						
in detergent injector	15	6.645-762.0						
		6.500-000.0						-
Detergent injector for high and low pressure (without nozzles)		4.637-032.0						Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.
Detergent injector for high pres- sure	18	4.637-033.0						Cleaning agent dosage at high pressure 3 - 5 %
Machine-specific nozzle kit with orc	der no	. 3.637-170						
Machine-specific nozzle kit with order no. 3.637-170.0 1000-1200 I/h I/h	19	4.769-048.0						For HD/HDS 1000 - 1200 l/h. Consists of nozzle insert + HP power nozzle + union
Nozzle insert with order no. 3.637-0					1			1
Nozzle insert for Order No. 3.637- 001, high-pressure for machines up to 1100 l/h.	20	4.769-003.0						Nozzle insert for detergent injector 3.637-001 for high-pressure detergent application. For high-pressure cleaners with a water flow rate up to 1100 l/h.
Low pressure for units rated up to 1100 l/h	21	4.769-001.0						For low pressure with machines up to 1.100 l/h

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		Order No.	Max. working pressure	Nozzle size	Diame- ter	Price	Description	
Barrel and tank cleaning								_
Barrel cleaner BC 14/12	1	2.112-020.0					Nozzle kit with wet blasting nozzle and nozzle insert (type specific). For optimal Kärcher wet blasting attachment per- formance. Only in combination with wet blasting attachmer 4.115-000.0   4.115-006.0.	
HKF 50 spray head, brass								
HKF 50 spray head , brass	2	3.631-039.0					Depth of immersion 850 mm. Interior cleaning head for barrels and containers with bungholes of 50 mm and more. Can be directly connected to the high-pressure cleaner. Electric motor drive. Operation is possible both vertically and horizontally	
		3.631-058.0						
Nozzle kit for HKF 50 spray head (3			9.0)	1			1	
Nozzle 030 for dual nozzle opera- tion HKF 50		6.415-444.0		30			Nozzle for dual-nozzle operation	
Nozzle 090 for single nozzle oper- ation HKF 50	5	6.415-447.0		90			Nozzle for single-nozzle operation	
Cone for plugging into bungholes	6	4.132-002.0					Cone for plugging into bungholes	
Double handle for exact control of the spray head	7	2.863-036.0					Double handle. Precise control of the spray head	
Screw plug for using a spray head with one nozzle	8	5.411-061.0					Screw plug for using a spray head with one nozzle	
Nozzle 070 for HKF 50	9	6.415-077.0		70			Nozzle for dual-nozzle operation	
Pipe cleaning hose, ID 6								
Hose assembly TR pipe cleaning DN6 max.2	10	6.110-046.0	250 bar					
Pipe cleaning hose, DN 6, 20 m, 220 bar	11	6.110-008.0	250 bar				20 m flexible high-pressure hose (DN 6) for cleaning pipes up to 220 bar (threaded connection for R 1/8 nozzle).	
Hose assembly TR pipe cleaning DN6 max.2	12	6.110-047.0	250 bar					
Pipe cleaning nozzle								_
Drain cleaning dirt blaster D 25/060	13	6.415-945.0		60	25 mm		The forward-tilted rotating pencil jet removes the most stubborn dirt. The three backwards-tilted jets ensure the	
Drain cleaning dirt blaster D 30/060	14	6.415-947.0		60	30 mm		necessary forward movement, as well as convenient han- dling.	
Drain cleaning dirt blaster D 35/060	15	6.415-949.0		60	35 mm			
Nozzle pipe cleaning size 120	16	5.763-089.0		120	16 mm		Pipe cleaning nozzle with 24 mm diameter. With 8 nozzles tilted back at a 30° angle.	
Pipe cleaning nozzle	17	5.763-015.0		55	16 mm		16 mm pipe cleaning nozzle with internal thread. Various je	et 🗆
	18	5.763-016.0		60	16 mm		directions for environmentally-friendly cleaning of blocked drains and pipes.	
	19	5.763-021.0		70	30 mm		30 mm pipe cleaning nozzle with internal thread. Various je directions for environmentally-friendly cleaning of blocked drains and pipes.	
Rotating pipe cleaning nozzle	20	6.415-440.0		65	16 mm		Rotating pipe cleaning nozzle with internal thread and four rotating jets for environmentally-friendly cleaning of blocked drains and pipes.	

 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill\blacksquare$  Extension hose.



		Order No.	Max. working pressure	Nozzle size		Price	Description
Angle vario nozzle 0°-90°							·
Spezial nozzle 0005	1	4.113-007.0		50			Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.
Dirt blaster, large							
Dirt blaster - without changeover function	2	4.114-036.0	300 bar	55			The dirt blaster with rotating pencil jet offers 10 times better cleaning performance. Ceramic nozzle and bearing ring for a long service life. Further data: Max. 300 bar, 30 MPa, 85°C.

■ Included in delivery. □ Available accessories. ▲ Extension hose.



		Order No.	Nozzle size		Price	Description	
Wet blasting attachment (without n	ozzle)		-				
Wet blasting attachment with flow control (without nozzles)	1	4.115-000.0				Paint, rust and scale removal made easy: Kärcher wet blast- ing attachment with flow control for adding blasting abra- sive to the high-pressure jet.	C
Wet blasting attachment without flow control (nozzles not included)	2	4.115-006.0				Paint, rust and scale removal made easy: Kärcher wet blast- ing attachment with flow control for adding blasting abra- sive to the high-pressure jet. Without flow control.	
Nozzle pack for wet blasting attach	ment						
Nozzle kit for wet blasting attach- ment 055	3	2.637-903.0	55			Nozzle kit with wet blasting nozzle and nozzle insert (type specific). For optimal Kårcher wet blasting attachment per- formance. Only in combination with wet blasting attachment 4.762-010/-022.	. [
Boron carbide nozzle							
Boron carbide nozzle, for ma- chines as of 1000 l/h	4	6.415-084.0	6 mm			In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	C

 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill\blacksquare$  Extension hose.

### KARCHER



		Order No.	Flow rate		Price	Description	
Cup foam lance							
Packing complete for 6.394-969.0	1	2.112-018.0					
Tank 1L	2	6.414-954.0					
Inno Foam Kit							
Inno foam kit with detergent injec- tor	3	2.112-000.0				High-pressure foam system with double lance (foam nozzle and high-pressure jet for rinsing). For use with mobile and	
Inno foam kit	4	2.112-008.0				stationary high-pressure and HDS pressure cleaners for cleaning or disinfection.	
Easy Foam Set							
Easy Foam Set with RM injector	5	2.112-010.0				HP foam system for use with. HD/HDS units for cleaning and	
Easy foam set	6	2.112-011.0				disinfecting. Foam nozzle for connection to lance and HP chemical injector with precision 0-5% metering valve. The machine specific nozzle kit has to be ordered separately.	
Nozzle kits for Inno/Easy Foam Set							
Nozzle kit 090 Inno/Easy kit 700 - 1000 I/h	7	2.111-019.0	700-1000 l/h			Nozzle kit contains Kärcher power nozzles and nozzle in- serts. For Inno/Easy-Foam set 700-1000 l/h. For optimal foam system performance.	
Foam nozzle mounting kit							
Foam nozzle kit	8	2.112-013.0				Foaming agent kit. The foam nozzle is ideal for use in sani- tary areas and the food industry and wherever long applica- tion times are necessary.	

 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill\blacksquare$  Extension hose.

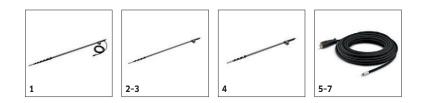
### KARCHER



		Order No.	Length		Price	Description			
Automatic, self-winding hose reels							_		
Add-on kit hose reel HDS M/S	1	2.110-011.0	20 m			Automatic hose reel as a complete attachment kit that's east to mount. Suitable for HDS medium and super class. For maximum convenience when winding and unwinding the high-pressure hose.	y 		
Add-on kit holder for automatic hose reel HDS-M	2	2.643-040.0							
Add-on kit hose reel plastics	3	6.392-074.0	20 m			Automatic hose reel for 20 m high-pressure hose. The con- sole is made from powder-coated steel, the drum is made from plastic.			
Add-on kit hose reel	4	6.392-083.0	20 m			Automatic hose reel for 20 m high-pressure hose. The con- sole consists of stainless steel, the drum is made from plas- tic.			
Hose reel, automatic, 20 m, paint- ed	5	6.392-106.0	20 m			Automatic hose reel of durable plastic. Painted steel brackel Suitable for 20 m high-pressure hose.	t. 🗆		
Add-on kit hose reel lacquered basaltgra	6	6.392-105.0	20 m						
Hose reel, automatic, 20 m, stain- less steel	7	6.392-076.0	20 m			Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.			
ABS hose reel stainless steel	8	6.392-122.0	20 m			High-grade, automatic steel hose reel. Especially suitable fo use in the food industry. The material and finish provide for a corrossion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.			
Swivel holder	9	2.639-931.0				Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose Rotatable 120°. Galvanised steel.	e. 🗆		
ABS wall fastening stainless steel	10	2.641-867.0				Swivelling wall bracket made of high-grade steel (for 2.641 866). This makes maximum flexibility and convenience possible when working with the HP hose.	-		

■ Included in delivery. 
□ Available accessories. ▲ Extension hose.

9-10



		Order No.	Flow rate	Feed temper- ature	Length	Length	Price	Description	
Solar cleaning - telescopic lances									
Telescopic rod complete 14m	1	4.110-002.0		max. 60 °C				Full carbon telescopic rod for maximum rigidity with mini- mal weight. With 14 m max. reach and practical quick-re- lease couplings for easy extension and retraction.	
Telescopic rod complete 10m CFK	2	4.110-007.0		max. 60 °C					
Telescopic rod complete 10m	3	4.110-003.0		max. 60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 10 m max. reach and practical quick-release couplings for easy exten- sion and retraction.	
iSolar TL 7 H (without hose)	4	4.110-004.0		max. 60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 7.2 m max. reach and practical quick-release couplings for easy exten- sion and retraction.	
Hose solar	5	6.392-978.0		max. 155 °C				High-quality, flexible HP hose (with rubber covering) for the iSolar TL 7. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	
	6	6.392-977.0		max. 155 °C				High-quality, flexible HP hose (with rubber covering) for the iSolar TL 10. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	
	7	6.392-976.0		max. 155 °C				High-quality, flexible HP hose (with rubber covering) for the iSolar TL 14. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	

■ Included in delivery. 
□ Available accessories. ▲ Extension hose.



		Order No.	Flow rate			Price	Description	
Push-on washing brush								
Push-on wash brush, M 18 x 1.5	1	4.113-001.0					Push-on wash brush for universal use. Simply push on to lance. Connector: M 18 x 1.6.	
Rotating washing brush								
Washing brush rotary	2	4.113-002.0	800-1300 l/h					
	3	4.113-005.0	800-1300 l/h					
■ Included in delivery. □ Av	ailable	e accessories.	▲ Extension ho	ose.				

# ACCESSORIES FOR HDS 10/20-4M EASY! 1.071-903.0



		Order No.	Length	Diameter		Price	Description	
Geka coupling								
With hose nozzle, R 3/4"	1	6.388-455.0					with hose liner	
With hose nozzle, R 1"	2	6.388-465.0						
Hose coupling	3	6.388-458.0					with female thread	
Suction filter								
Water filter	4	6.414-956.0						
Suction filter with check valve	5	4.730-012.0					Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	
Fine-mesh water filter					-			
Fine-mesh water filter with adapt- er	6	4.730-102.0					Fine-mesh water filter, 125 µm, max. temperature 50°C. Protects the high-pressure cleaner from dirt particles con- tained in the water. Water flow rate up to 1200 l/h. Connec- tion 3/4", with adapter, 1".	_
Fine-mesh water filter, 100 µm, R 1"	7	2.638-270.0					Fine-mesh water filter, 100 µm, max. temperature 60°C. Connects to high-pressure cleaner. Protects the high-pres- sure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connector 1".	
Water supply hose		-	•	•			•	
Water supply hose	8	4.440-207.0	7,5 m				NW 19 R1" / R 3/4", up to 85 °C, for pick-up	
	9	4.440-270.0	7,5 m				NW 19 R1" / R1", up to 85 °C	



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